

1 Claim:

1. A device for carrying, cutting and scoring rolled insulation having a thick fibrous layer adherent to a thin flexible substrate, comprising:
- carrying means for carrying rolled insulation and for dispensing insulation from said rolled insulation;
- cutting means for cutting a first portion of said insulation;
- scoring means for cutting the fibrous layer of a second portion of said insulation without cutting the substrate of said second portion, at the same time as said cutting of said first portion by said cutting means.
2. The device of claim 1, wherein said carrying means is a dolly.
3. The device of claim 1, wherein said carrying means comprises two handles that also function as feet when lowered to the ground.
4. The device of claim 1, wherein said cutting of said first portion by said cutting means is spatially fixed relative to said cutting of said fibrous layer of said second portion.

5. The device of claim 1, wherein said cutting means comprises:

a cutting groove, wherein said first portion of said insulation can be placed adjacent to said cutting groove, and

a cutting blade having a cutting edge, wherein said cutting edge is received into said cutting groove, wherein said cutting blade can be translated substantially parallel to said cutting groove, whereby said first portion of said insulation is cut;

and wherein said scoring means comprises a scoring path, wherein said scoring path is either a line along a substantially planar surface or a groove, wherein said second portion of said insulation can be placed adjacent to said scoring path, and a scoring blade having a scoring edge, wherein said scoring edge is adjacent to said scoring path, wherein said scoring blade can be translated substantially parallel to said scoring path, whereby said fibrous layer of said second portion is cut without cutting said substrate of said second portion, at the same time as said cutting of said first portion by said cutting blade.

6. The device of claim 5, wherein said cutting groove is spatially fixed relative to said carrying means.

7. The device of claim 5, wherein said cutting groove is substantially linear.

8. The device of claim 5, wherein the length of said cutting groove is greater than or equal to the width of said insulation.

9. The device of claim 5, wherein said scoring path is substantially parallel to said cutting groove.

10. The device of claim 5, wherein said scoring path is substantially the same length as said cutting groove.

11. The device of claim 5, wherein the distance between said scoring path and said cutting groove is one-and-a-half (1.5) inches.

12. The device of claim 5, wherein the distance between said scoring path and said cutting groove is in the range from zero (0) to ten (10) inches.

13. The device of claim 5, wherein the distance between said scoring path and said cutting groove is in the range from zero (0) to one-hundred (100) inches.

14. The device of claim 5, wherein said cutting blade is rotary.

15. The device of claim 5, wherein said scoring blade is rotary.

16. The device of claim 5, wherein said cutting blade is substantially circular.

17. The device of claim 5, wherein said scoring blade is substantially circular.

18. A device for carrying, cutting and scoring rolled insulation having a
thick fibrous layer adherent to a thin flexible substrate, comprising:

a dolly comprising two handles and a carriage, wherein said handles
also function as feet when lowered to the ground, wherein said carriage can
receive rolled insulation, wherein insulation can issue from said rolled
insulation in said carriage;

a cutting groove, substantially linear, having length greater than or
equal to the width of said insulation, and spatially fixed relative to said
carriage, wherein a first portion of said insulation can be placed adjacent to
said cutting groove;

a scoring groove, substantially parallel to and substantially the same
length as said cutting groove, wherein a second portion of said insulation can
be placed adjacent to said scoring groove;

a rotary circular cutting blade having a cutting edge, wherein said
cutting edge is received into said cutting groove, wherein said cutting blade
can be translated substantially parallel to said cutting groove, wherein said
first portion of said insulation is cut; and

a rotary circular scoring blade having a scoring edge, wherein said
scoring edge is adjacent to said scoring groove, wherein said scoring blade

20 - (can be) translated substantially parallel to said scoring groove, wherein said
fibrous layer of said second portion is cut without cutting said substrate of
22 said second portion, at the same time as said cutting of said first portion by
said cutting blade.

19. The device of claim 18, wherein the distance between said scoring
groove and said cutting groove is one-and-a-half (1.5) inches.

20. The device of claim 18, wherein the distance between said scoring
groove and said cutting groove is in the range from zero (0) to ten (10)
inches.

21. The device of claim 18, wherein the distance between said scoring
groove and said cutting groove is in the range from zero (0) to one-hundred
(100) inches.

22. A method of carrying, cutting and scoring rolled insulation having a thick fibrous layer adherent to a thin flexible substrate, comprising the steps of:

issuing insulation from rolled insulation;

providing cutting means for cutting a first portion of said insulation;

providing scoring means for cutting the fibrous layer of a second portion of said insulation without cutting the substrate of said second portion;

cutting said first portion of said insulation by said cutting means; and

cutting said fibrous layer of said second portion without cutting said substrate of said second portion, by said scoring means at the same time as said cutting of said first portion by said cutting means.

23. The method of claim 22, wherein said cutting said first portion by said cutting means is spatially fixed relative to said cutting said fibrous layer of said second portion.

24. The method of claim 22, further comprising the steps of:

2 providing carrying means for carrying said rolled insulation and for said
issuing of said insulation from said rolled insulation;

4 receiving said rolled insulation into said carrying means;

6 wherein said issuing of said insulation is from said rolled insulation in
said carrying means.

25. The method of claim 24, wherein said cutting said first portion by said
cutting means is spatially constant with respect to said carrying means.